

Table 35. Doctorate recipients' primary source of financial support, by broad field of study, sex, citizenship status, ethnicity, and race: 2016 (Percent)

Broad field of study and primary source of support	Total ^a	Sex		Citizenship status		U.S. citizens and permanent residents							
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
							American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	
All fields (number)	48,776	26,417	22,358	33,236	15,249	2,338	113	2,914	2,159	24,328	986	207	191
Teaching assistantships	21.4	21.3	21.4	20.4	23.6	18.6	16.8	17.5	13.3	21.7	18.8	17.4	16.2
Research assistantships or traineeships	30.8	35.9	24.9	23.5	46.9	17.0	8.0	31.5	10.9	24.4	23.6	22.7	29.3
Fellowships or grants	27.7	26.4	29.2	31.0	20.4	38.2	33.6	36.1	29.9	29.6	36.2	38.6	23.6
Own resources	15.1	10.8	20.1	20.5	3.2	22.8	35.4	10.8	39.7	19.8	17.4	17.9	24.6
Employer	3.2	3.2	3.1	4.4	0.4	3.2	5.3	3.8	6.0	4.5	3.7	2.9	6.3
Other	1.9	2.3	1.3	0.2	5.5	0.2	0.9	0.3	0.1	0.2	0.3	0.5	0.0
Life sciences (number) ^b	11,458	5,138	6,320	8,226	3,170	619	23	872	481	5,909	255	42	25
Teaching assistantships	12.7	13.2	12.4	11.9	14.9	10.5	D	9.9	7.1	12.8	9.8	D	16.0
Research assistantships or traineeships	32.2	34.5	30.3	26.9	45.9	19.5	D	31.0	14.8	28.1	26.7	D	36.0
Fellowships or grants	40.8	41.0	40.6	45.5	28.5	54.6	47.8	47.6	45.5	44.0	51.0	50.0	36.0
Own resources	9.4	6.2	12.0	12.0	2.4	12.9	D	7.5	29.5	11.3	9.4	D	8.0
Employer	2.7	2.3	3.0	3.4	0.6	2.3	D	3.7	3.1	3.5	3.1	D	4.0
Other	2.3	2.9	1.8	0.2	7.8	0.2	0.0	0.5	0.0	0.1	0.0	0.0	0.0
Physical sciences and earth sciences (number)	5,651	3,871	1,780	3,477	2,144	167	D	291	89	2,777	106	D	26
Teaching assistantships	23.5	23.1	24.2	20.9	27.8	D	D	21.6	36.0	20.3	D	14.3	D
Research assistantships or traineeships	48.7	51.3	43.0	44.6	55.4	29.9	D	40.9	16.9	46.7	41.5	D	65.4
Fellowships or grants	23.5	21.0	28.8	29.9	13.0	44.9	D	30.2	D	28.5	33.0	42.9	11.5
Own resources	2.2	2.2	2.0	D	D	D	0.0	4.5	D	3.0	D	0.0	11.5
Employer	0.9	0.9	0.9	D	D	0.0	0.0	2.4	D	1.2	D	D	D
Other	1.3	1.4	1.1	0.2	3.0	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0
Mathematics and computer sciences (number)	3,540	2,691	849	1,625	1,894	87	D	206	71	1,171	63	D	14
Teaching assistantships	36.3	35.1	39.9	36.2	36.2	35.6	D	30.1	32.4	37.4	D	41.7	28.6
Research assistantships or traineeships	36.8	38.4	31.8	26.8	45.7	21.8	0.0	33.0	14.1	26.4	33.3	33.3	28.6
Fellowships or grants	16.6	16.2	17.9	22.0	12.0	25.3	0.0	22.8	26.8	21.3	25.4	16.7	14.3
Own resources	5.8	5.5	6.6	10.5	1.7	9.2	0.0	7.8	D	11.1	D	D	21.4

Table 35. Doctorate recipients' primary source of financial support, by broad field of study, sex, citizenship status, ethnicity, and race: 2016 (Percent)

Broad field of study and primary source of support	Total ^a	Sex		Citizenship status		U.S. citizens and permanent residents							
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
							American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	
Employer	2.2	2.4	1.8	4.5	0.3	8.0	0.0	6.3	D	3.8	D	0.0	7.1
Other	2.3	2.4	2.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Psychology and social sciences (number)	7,858	3,290	4,568	6,204	1,603	511	27	400	444	4,526	206	54	36
Teaching assistantships	29.8	32.9	27.6	27.1	40.3	22.9	D	30.8	14.0	28.8	23.8	D	22.2
Research assistantships or traineeships	16.2	14.5	17.5	16.2	16.0	10.8	D	D	8.1	17.5	17.5	7.4	16.7
Fellowships or grants	26.8	28.9	25.3	25.8	30.8	31.3	22.2	32.5	27.9	23.9	31.6	38.9	27.8
Own resources	23.9	19.8	26.9	D	D	32.9	40.7	16.8	45.7	27.2	24.3	27.8	D
Employer	2.0	2.1	1.9	D	D	1.8	0.0	D	4.3	2.5	2.9	D	D
Other	1.2	1.8	0.8	0.1	5.5	0.4	3.7	0.3	0.0	0.1	0.0	0.0	0.0
Engineering (number)	8,375	6,456	1,919	3,873	4,458	258	8	598	164	2,675	114	27	29
Teaching assistantships	9.8	9.7	10.1	6.3	12.8	7.0	D	6.9	10.4	5.8	D	0.0	3.4
Research assistantships or traineeships	57.3	58.5	53.3	45.3	67.9	33.7	D	49.2	26.2	46.8	38.6	D	55.2
Fellowships or grants	22.9	20.9	29.4	35.0	12.4	45.0	D	33.6	41.5	34.1	36.0	D	24.1
Own resources	4.1	4.2	3.5	6.7	1.8	7.8	D	5.2	11.0	6.6	D	11.1	10.3
Employer	3.2	3.6	1.8	6.4	0.4	6.2	D	D	11.0	6.3	9.6	3.7	6.9
Other	2.7	3.0	1.8	0.4	4.8	0.4	0.0	D	0.0	0.4	D	0.0	0.0
Education (number)	4,510	1,375	3,135	3,965	514	296	25	193	578	2,732	94	24	23
Teaching assistantships	13.1	12.7	13.3	12.0	22.6	10.1	D	16.1	7.8	12.9	D	8.3	4.3
Research assistantships or traineeships	15.7	13.5	16.7	13.8	30.4	15.2	D	24.4	9.2	14.0	D	12.5	13.0
Fellowships or grants	12.4	11.9	12.6	11.4	19.6	16.2	36.0	20.2	14.7	9.1	12.8	29.2	21.7
Own resources	46.3	43.9	47.3	50.7	11.7	51.4	D	30.6	59.3	50.2	54.3	D	52.2
Employer	10.7	14.8	8.9	11.9	1.2	7.1	D	8.3	9.0	13.6	6.4	D	8.7
Other	1.9	3.1	1.3	0.2	14.6	0.0	0.0	0.5	0.0	0.2	1.1	4.2	0.0
Humanities and arts (number)	4,863	2,330	2,533	4,171	655	293	19	176	159	3,368	108	20	28
Teaching assistantships	39.9	38.8	40.9	40.0	39.4	36.9	D	35.8	28.3	41.6	D	25.0	35.7

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							American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	
Research assistantships or traineeships	1.6	1.5	1.8	1.7	1.5	1.7	0.0	D	D	1.7	D	0.0	0.0
Fellowships or grants	35.7	35.6	35.9	33.6	48.7	38.2	D	39.8	D	32.0	46.3	55.0	25.0
Own resources	20.3	21.1	19.6	22.6	6.4	D	47.4	19.9	25.8	22.4	22.2	20.0	D
Employer	1.7	2.2	1.3	2.0	0.0	D	D	D	D	2.2	0.0	0.0	D
Other	0.6	0.8	0.4	0.1	4.0	0.0	0.0	D	D	0.1	0.0	0.0	0.0
Other (number) ^c	2,521	1,266	1,254	1,695	811	107	D	178	173	1,170	40	D	10
Teaching assistantships	26.4	26.3	26.5	24.0	31.6	D	0.0	23.6	16.8	25.4	20.0	14.3	D
Research assistantships or traineeships	17.5	17.6	17.4	14.6	23.6	14.0	D	21.9	D	14.8	17.5	35.7	10.0
Fellowships or grants	23.8	25.4	22.2	21.2	29.2	21.5	D	34.8	15.6	19.8	20.0	D	20.0
Own resources	25.8	22.3	29.4	33.6	9.5	34.6	D	16.3	54.9	33.1	D	21.4	50.0
Employer	4.6	5.7	3.6	6.4	1.1	D	0.0	3.4	D	6.8	D	0.0	D
Other	1.8	2.8	0.9	0.2	5.1	0.0	0.0	0.0	D	0.2	D	0.0	0.0

D = suppressed to avoid disclosure of confidential information.

^a Includes 291 doctorate recipients with missing citizenship information.

^b Includes agricultural sciences and natural resources; biological and biomedical sciences; and health sciences.

^c Non-science and engineering fields not shown separately.

NOTES: Includes only doctorate recipients who reported primary source of support. Due to rounding, percentages may not sum to 100.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Earned Doctorates, 2016.